EMRS SOFTWARE CHANGE NOTE 1
(for NWS Electronics Staff)

SUBJECT : Implementation of EMRS Data Entry System Software Version 3.0

PURPOSE : Upgrade the EMRS Data Entry System Software from Version 2.04 to Version 3.0

SOFTWARE AFFECTED : EMRS Data Entry System Software Version 2.04 is no longer used.

PARTS REQUIRED : Software Installation instructions included as attachments. Software installation instructions are also included as a readme.txt file found on the Client/Server and Off-Line CD-ROMs.

SOFTWARE PROCUREMENT: Web-based application — The EMRS group (W/OSO113) will provide the Oracle JInitiator plug-in for the Netscape and Internet Explorer web browsers. The Oracle JInitiator plug in can downloaded from the EMRS web site at (**http://cmhome.nws.noaa.gov/emrs/default.htm**).

Client/Server application — W/OSO113 will provide sites with the Client/Server application. To request a copy of the EMRS Data Entry System Software Version 3.0 contact W/OSO113.

Off-line application — The Off-Line application requires the installation of the EMRS software and a ORACLE application called Oracle Lite. W/OSO113 will provide sites with the Off-Line application. **Oracle Lite must be purchased separately.** To request a copy of the EMRS Data Entry System Software Version 3.0 and to receive purchasing information for Oracle Lite, contact W/OSO113.

SPECIAL TEST AND : None
DEBUGGING TOOLS
REQUIRED

TIME REQUIRED : 1.00 hour

EFFECT ON OTHER INSTRUCTIONS	:	Engineering Handbook 4 and all EMRS Bulletins will be updated to reflect the implementation of the EMRS Data Entry System Software Version 3.0

VERIFICATION STATEMENT	:	The web-based, Client/Server and Off-Line applications were tested at WSH and at NWS field sites.

GENERAL

This software change note provides instructions for installation of the EMRS Data Entry System Software Version 3.0. Also included in this document are release notes for the EMRS Data Entry System Software Version 3.0 and reporting guidance for new EMRS equipment codes.

PROCEDURE

See Attachment 1 for Web-based installation, Attachment 2 for Client/Server installation, and Attachment 3 for Off-Line installation.

EFFECTIVITY

All sites are affected by this software change.

REPORTING INSTRUCTIONS

None.

ATTACHMENT 1

Web Based Data Entry System

1.1   Introduction: These instructions are for installation of the web-based application of the EMRS Data Entry System Software Version 3.0. The web-based application runs through a web browser with a plug-in from Oracle (Oracle JInitiator 1.1.5.3). A current internet or IP connection must be established in order for this application to run.

1.2 System requirements: Recommended system requirements for the EMRS Web System are as follows:

Computer type:	An IBM or 100% compatible PC with an 80486/Pentium 33 MHZ processor or better.
RAM:	24 MB of available RAM
Operating System:	Microsoft Windows 95
Internet Connection:	A TCP/IP connection either via an Internet Service Provider (ISP) or thorugh a LAN or WAN (this connection must be constant for web application).
Web Browser:	Internet Explorer version 4.0 or greater and Netscape Navigator 4.0 or greater support the Oracle plug-in needed to effectively run the EMRS web system.

It is strongly recommended that you use **Internet Explorer 4.0 version 4.72.3110.8**. Other versions of Internet Explorer may cause the certain aspects of the web based application to function differently. Netscape may also cause the certain aspects of the web based application to function differently.

1.3 Installation: The following installation steps apply to a PC with a similar configuration to the system requirements found in Section 1.2. Installations may differ for other PC configurations. If an earlier version of Oracle JInitiator is already installed on the PC, it will be necessary to remove the earlier version. (This can be accomplished by using the Add/Remove Program under the Windows 95 control panel.)

> **Step 1**: The Oracle JInitiator can be found at the following web address:
> **http://cmhome.nws.noaa.gov/emrs/browser_setup.htm**. Once at the web site, scroll down to the link the says "Download Jinitiator." Click on the link. The browser's "Save As..." dialog box should appear. Note the folder in which the file is to be saved, and click "Save". The file that will be saved is **jini1153.exe**.

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┌─────────────┐
│    NOTE     │
└─────────────┘
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Before proceeding with step 2, shut down all Windows applications. You should not be running any other Windows applications while trying to install new products.

Step 2: Through Windows Explorer, find the file **jini1153.exe**. Double click this file. This is a self-extracting set-up file. It is recommended to accept the default directory locations as indicated during the installation. This will enable the EMRS technical staff to better support the application.

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┌─────────────┐
│   WARNING   │
└─────────────┘
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Even though a dialog box appears which indicates that the JInitiator installation is complete, a DOS window is open which is running some last minute clean-up for the installation. Do not proceed until the clean-up is complete. When the clean-up is complete, the DOS window will say "**Finished - certs**" in the upper left-hand corner of the window. Close the DOS window clicking on the X in the top right corner.

Step 3: Installation of the Oracle JInitiator is complete; however, some adjustments need to be made to the plug-in. To make these adjustments, open the Oracle JInitiator Control Panel by clicking Start --> Programs --> Oracle JInitiator Control Panel. You should see the following dialog box (Figure 1-1):
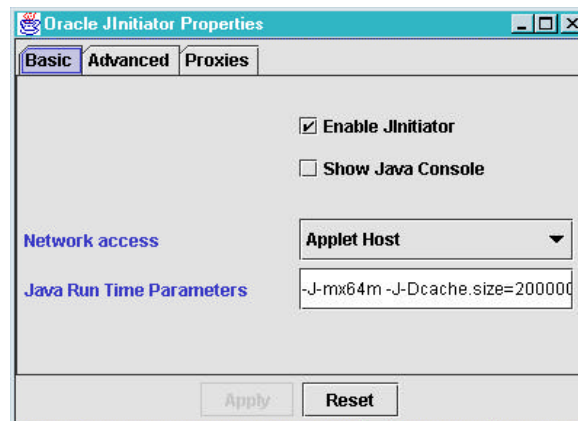
Figure 1-1

Step 4: Click on the 'Advanced' tab. The dialog box should appear as follows (Figure 1-2):
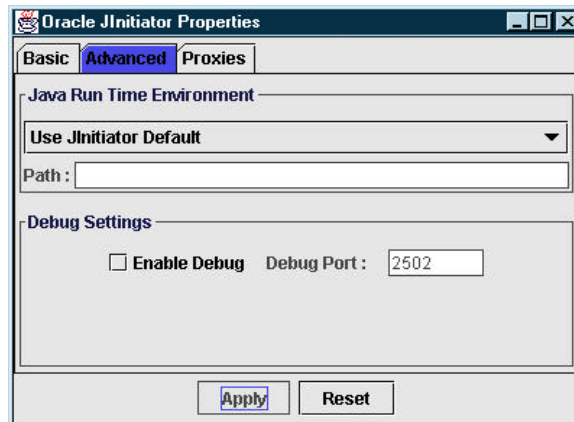

Figure 1-2

Step 5: In the Java Run-Time Environment Block, Select '**JRE in C:\Program Files\Oracle\JInitiator**' from the drop-down list by clicking the arrow in the box. The dialog box should now appear as follows (Figure 1-3):
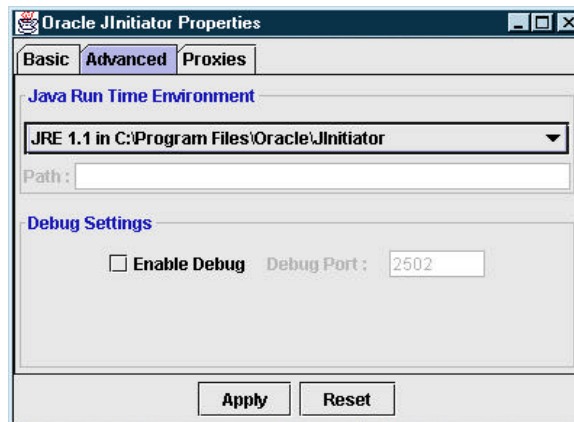

Figure 1-3

Step 6: Click the 'Apply' button.

Step 7: Close the Oracle JInitiator Control Panel. The Oracle JInitiator is now correctly configured.

2.4 **Running the Application**: The data entry system can now be accessed via the web. To do this, connect the following web page: **http://cmhome.nws.noaa.gov/emrs/emrsfront.htm**. Click on the link that states "**enter the EMRS by clicking here**". The following dialog box should appear (Figure 1-4):

Figure 1-4

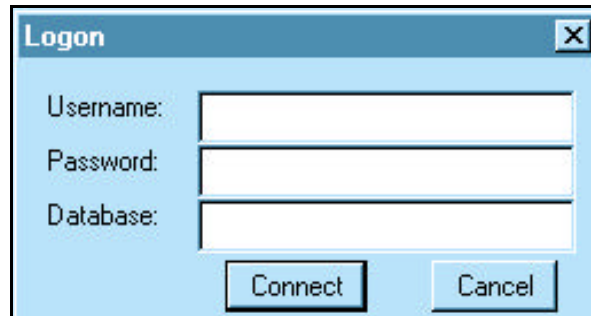If you see this screen, connection to the EMRS was successful. Contact W/OSO113 for the appropriate username, password and database.

ATTACHMENT 2

Client/Server Data Entry System

2.1 Introduction: These instructions are for installation of the Client/Server application of the EMRS Data Entry System Software version 3.0. The client/server application will directly connect to the main EMRS Oracle database located at NWS headquarters for all queries, updates, and adds. A current internet or IP connection must be established in order for this application to run.

2.2 System Requirements: Recommended system requirements for the EMRS Client/Server system are as follows:

Computer type:	An IBM or 100% compatible PC with an 80486/Pentium 33 MHZ processor or better.
RAM:	24 MB of available RAM
Operating System:	Microsoft Windows 95
Hard Disk Space:	84 MB available hard disk space
Disk drive:	A CD-ROM drive is necessary for installation.
Internet Connection:	A TCP/IP connection either via an Internet Service Provider (ISP) or thorugh a LAN or WAN (this connection must be constant for Client/Server.)

These are the recommended minimum system requirements; however, faster processor speeds and more available RAM may be necessary for machines which need to run other programs while the EMRS is running.

2.3 Installation: The following installation steps applies to a PC with a configuration similar to system requirements found in Section 2.2. Installations may differ for other PC configurations. Installations may differ if any Oracle products are already installed on the PC.

The application is not supported for Windows NT or Windows 98.

The Client/Server Application CD is set to autoplay for Windows 95. If your PC is set to autoplay, installation should begin automatically.

<div align="center">

NOTE

</div>

You should not be running any other Windows applications while trying to install new products.

<div align="center">

WARNING

</div>

During the beginning stages of the installation, you may see the following dialog box (Figure 2-1):
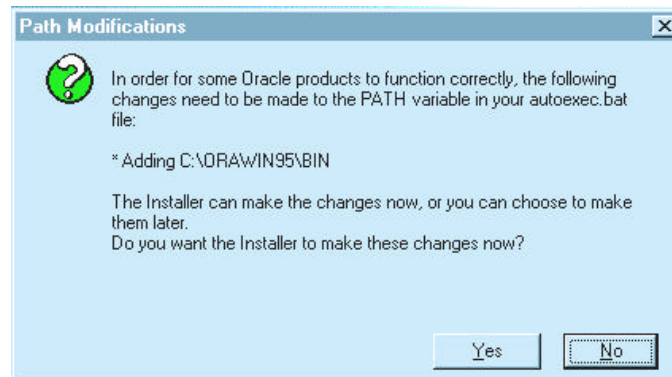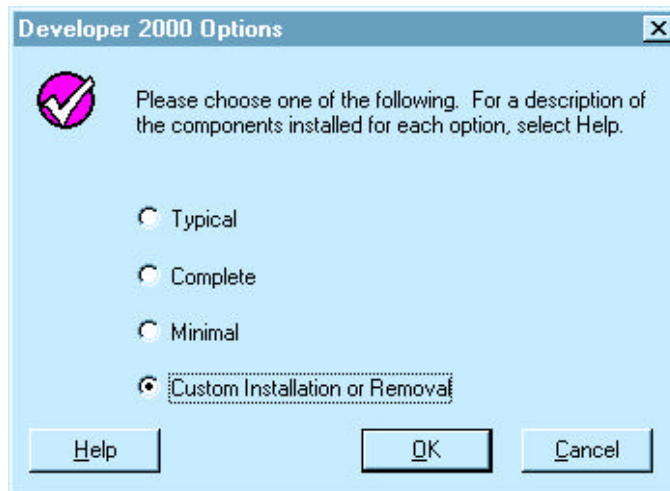
<div align="center">

Path Modifications

In order for some Oracle products to function correctly, the following changes need to be made to the PATH variable in your autoexec.bat file:

* Adding C:\ORAWIN95\BIN

The Installer can make the changes now, or you can choose to make them later.
Do you want the Installer to make these changes now?

Yes   No

Figure 2-1

</div>

Answer **NO** to this question. Failure to do so will cause errors and cause the installation to abort.

> **Step 1**: Insert the CD into the CD-Rom Drive. Wait a few seconds to see if the CD will autoplay. If the CD does not autoplay, select Start — > Run. In the dialog box, type "X:\setup" where "X" is the drive letter of the CD-ROM drive.

> **Step 2**: The installer will prompt you for items such as language, company name, Oracle Home directory, and several other directories. It is recommended to accept the default directory locations as indicated during the installation.   This will enable the EMRS technical staff to better support the application.

> **Step 3**: The Oracle installer will prompt for the type of installation desired in the following dialog box (Figure 2-2):

Select "**Custom Installation or Removal**" and then click "**OK**".

Step 4: The installer will now display the Software Asset Manager. The list of available products to install will be displayed on the left side of the screen. If the products "**EMRS (Client/Server) 3.00**" and "**Oracle Open Client Adapter for ODCB 2.0.2.15.0**" are not highlighted, select them now. Click **Install**.

The Installer will now ask confirmation on a series of directories. It is recommended to accept the default directory locations as indicated during the installation. This will enable the EMRS technical staff to better support the application.

WARNING

At some point in the installation, you may see the following dialog box (Figure 2-3):
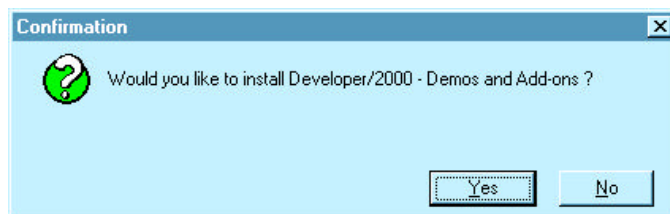

Figure 2-3

Answer **NO** to this question. Failure to do so will cause errors and cause the installation to abort.

Step 5: The installer will display the following dialog box upon completion of the installation (Figure 2-4):
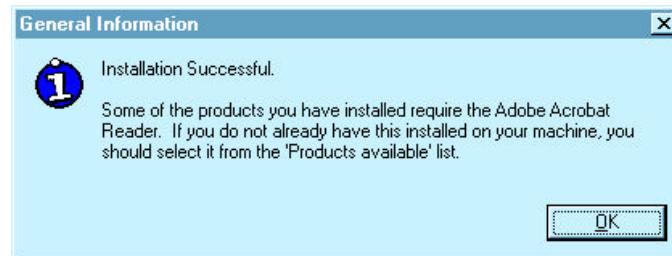

Figure 2-4

Click '**OK**'. (This will take you back to the Software Asset Manager.)   Adobe Acrobat Reader is not needed to for the EMRS client/server application.

Step 6: To exit the Oracle Installer, click '**Exit**' in the bottom right hand corner. Click "**YES**" to confirm the exit.

NOTE

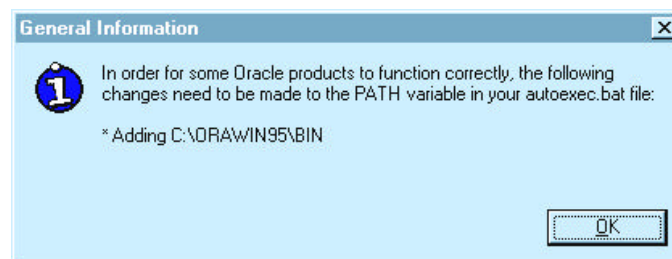Upon exiting the installer, you may see the following dialog box (Figure 2-5):

Figure 2-5

Click '**OK**'. It will not be necessary to make this change.

2.4 Running the Application: To run the Client/Server Application select Start —> Programs —> EMRS —> EMRS Client Server Version 3.00. The following login screen should appear (Figure 2-6):
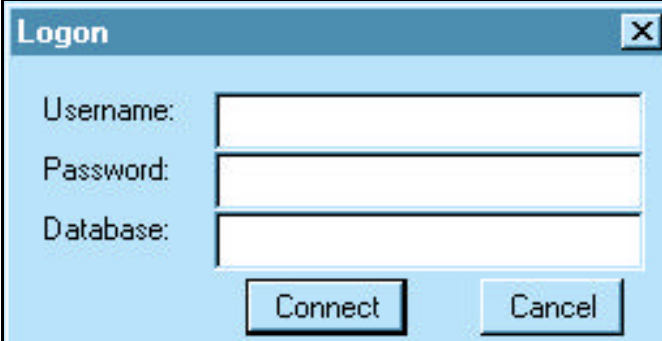

Figure 2-6

If you see this screen, installation was successful. Contact W/OSO113 for the appropriate username, password and database.

ATTACHMENT 3

Off-line Data Entry System

3.1 Introduction: These instructions are for installation and maintenance of the off-line application of the EMRS Data Entry System Software Version 3.0.   The off-line applicaton is a stand-alone system. The off-line aplication uses a local Oracle Lite database. (There is a one-time cost associated with the purchase of the Oracle Lite software. Contact W/OSO113 for purchasing information.) Database maintenance initiated by the user will be necessary to maintain current data on the PC that has the off-line system installed. An internet or IP connection must be established in order for database maintenance to be accomplished.

<div align="center">

NOTE

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When running the off-line application for the first time, it will be necessary to contact W/OSO113 via the phone. You will need to receive a System ID for <u>each installation</u> of the off-line application. During this time, you will also need to have an internet connection established.

3.2 System Requirements: Recommended system requirements for the off-line application are as follows:

Computer type:	An IBM or 100% compatible PC with an 80486/Pentium 33 MHZ processor or better.
RAM:	24 MB of available RAM.
Operating System:	Microsoft Windows 95.
Hard Disk Space:	500 MB available hard disk space for installation. Additional hard space will be required as the size of the Oracle Lite databases increases.
Disk drive:	A CD-ROM drive is necessary for installation.
Internet Connection:	A TCP/IP connection either via an Internet Service Provider (ISP) or thorugh a LAN or WAN is necessary when updating data from the EMRS databases at W/OSO113.

These are the recommended minimum system requirements; however, faster processor speeds and more available RAM may be necessary for machines which need to run other programs while the off-line application is running.

3.3 Installation: The following installation steps applies to a PC with a configuration similar to system requirements found in Section 3.2. Installations may differ for other PC configurations.

Installations may differ if any Oracle products are already installed on the PC. The application is not supported for Windows NT or Windows 98.

NOTE

You should not be running any other Windows applications while trying to install new products.

WARNING

You must install Oracle Lite before you install the off-line application. Failure to do so may result in errors while running the off-line application.

WARNING

During the beginning stages of the installation for Oracle Lite, you may see the following dialog box (Figure 3-1):
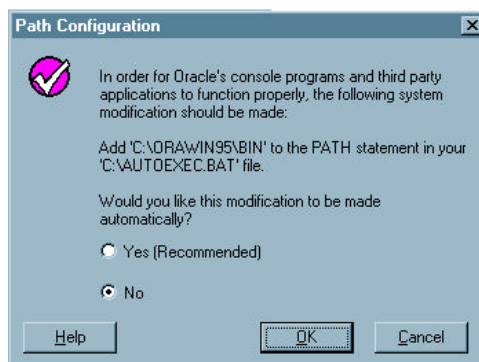

Figure 10

Select "**NO**" and click "**OK**". Failure to do so will cause errors and cause the installation to abort.

3.3.1 Installing Oracle Lite. The Oracle Lite CD is set to autoplay for Windows 95. If your PC is set to autoplay, installation should begin automatically.

> **Step 1**: Insert the CD into the CD-Rom Drive. Wait a few seconds to see if the CD will autoplay. If the CD does not autoplay, select Start — > Run. In the dialog box, type "X:\setup" where "X" is the drive letter of the CD-ROM drive.

Step 2: The Oracle Lite startup Screen Should appear. Select '**Install**' from this screen.

Step 3: The installer will prompt you for items such as language, company name, Oracle Home directory, and several other directories. It is recommended to accept the default directory locations as indicated during the installation.   This will enable the EMRS technical staff to better support the application.

Step 4: The Oracle installer will prompt for the type of installation desired in the following dialog box (Figure 3-2):
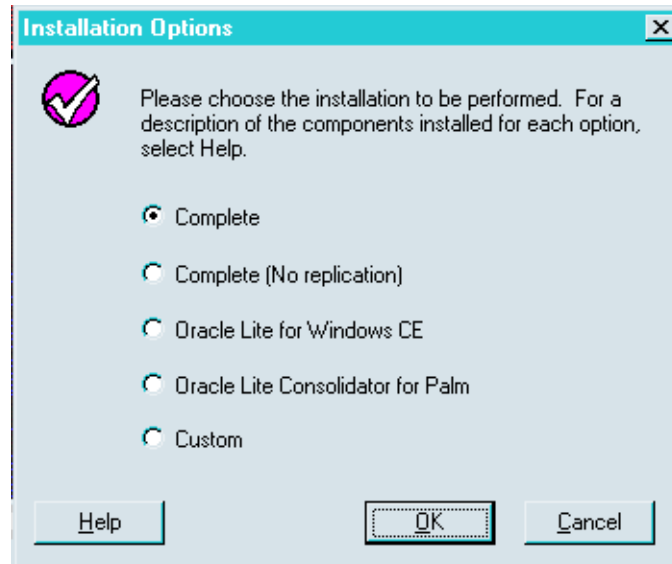

Figure 11

Select "**Complete**" and click OK. Failure to do so will cause the off-line application to function incorrectly.

Oracle Lite will now begin to install. It is recommended to accept the default directory locations as indicated during the installation. This will enable the EMRS staff to better support the application.

During the later stages of the installation, you will see the following dialog box (Figure 3-3):
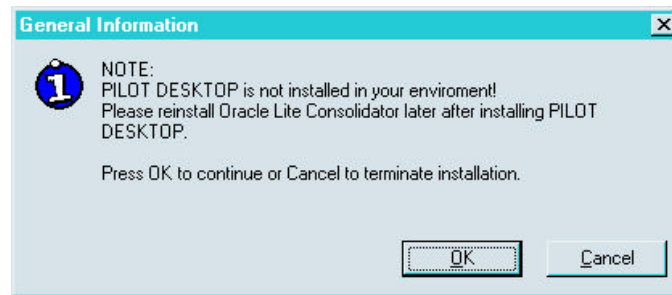

Figure 12

Click "**OK**". Pilot Desktop is not needed for the off-line application.

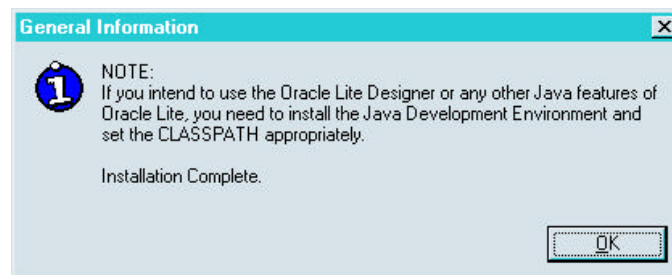**Step 5**: Installation will be complete when the following dialog box appears (Figure 3-4):

Figure 13

Click "**OK**". You will not need to make these change for the off-line application.

Step 6: As you are leaving the installation program you will see the following dialog box. Please note that you may actually see this dialog box twice (Figure 3-5):
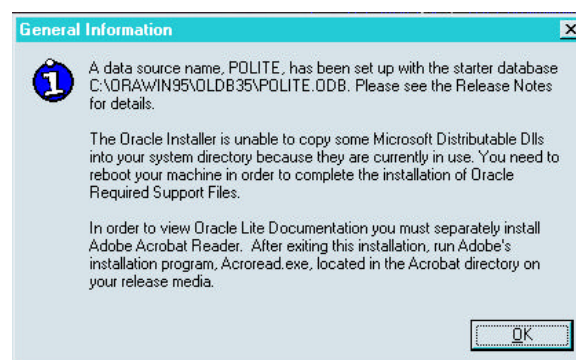

Figure 14

Click "**OK**". You will not need to make these change for the off-line application.

Step 7: The Oracle Lite Startup screen should again be displayed on you desktop. Select "**Exit**" and close all open windows on your desktop. You are now ready to install the off-line application.

3.3.2 Installing the Off-line Application. The off-line application CD is set to autoplay for Windows 95. If your PC is set to autoplay, installation should begin automatically.

NOTE

You should not be running any other Windows applications while trying to install new products.

WARNING

During the beginning stages of the installation, you may see the following dialog box (Figure 3-6):
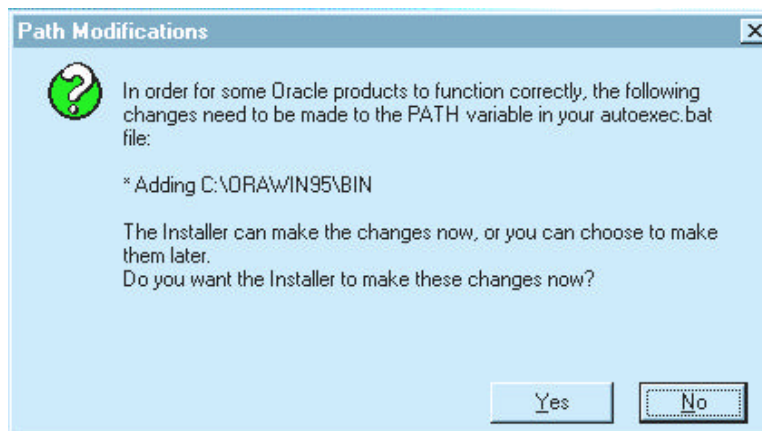

Figure 15

Answer **NO** to this question. Failure to do so will cause errors and cause the installation to abort.

Step 1: Insert the CD into the CD-Rom Drive. Wait a few seconds to see if the CD will autoplay. If the CD does not autoplay, select Start — > Run. In the dialog box, type "X:\setup" where "X" is the drive letter of the CD-ROM drive.

Step 2: The installer will prompt you for items such as language, company name, Oracle Home directory, and several other directories. It is recommended to accept the default directory locations as indicated during the installation.   This will enable the EMRS technical staff to better support the application.

Step 3: The Oracle installer will prompt for the type of installation desired in the following dialog box (Figure 3-7):

Figure 16

Select "**Custom Installation or Removal**" and then click "**OK**".

Step 4: The installer will now display the Software Asset Manager. The list of available products to install will be displayed on the left side of the screen (Figure 3-8). If the products "**EMRS (Off-line) 3.00**" and "**Oracle Open Client Adapter for ODCB 2.0.2.15.0**" are not highlighted, select them now. Click **Install**.
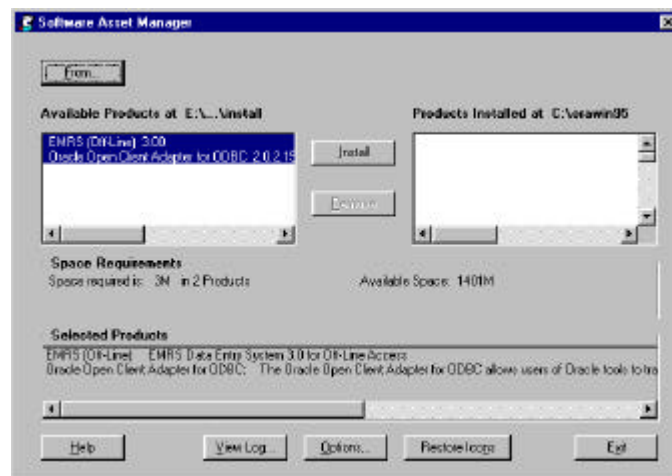

Figure 17

The Installer will now ask confirmation on a series of directories. It is recommended to accept the default directory locations as indicated during the installation. This will enable the EMRS technical staff to better support the application.

WARNING

At some point in the installation, you may see the following dialog box (Figure 3-9):

Confirmation

Would you like to install Developer/2000 - Demos and Add-ons ?
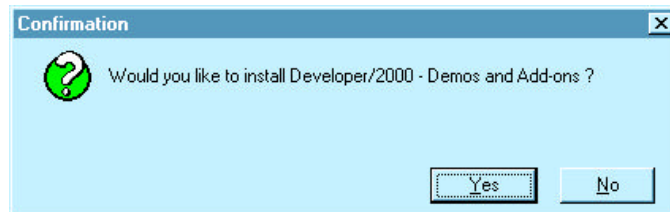
[Yes] [No]

Figure 18

Answer **NO** to this question. Failure to do so will cause errors and cause the installation to abort.

Step 5: The installer will display the following dialog box upon completion of the installation (Figure 3-10):

General Information

Installation Successful.

Some of the products you have installed require the Adobe Acrobat Reader. If you do not already have this installed on your machine, you should select it from the 'Products available' list.
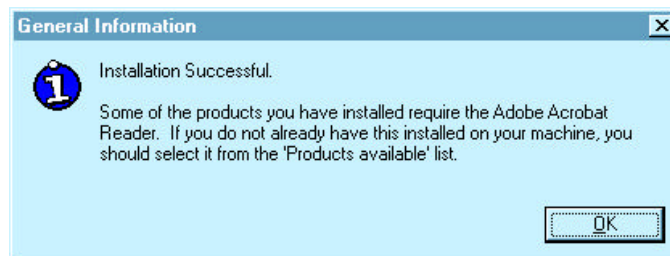
[OK]

Figure 19

Adobe Acrobat Reader is not needed to for the off-line application. Click '**OK**'. (This will take you back to the Software Asset Manager.)

Step 6: To exit the Oracle Installer, click '**EXIT**' in the bottom right hand corner. Click '**YES**' to confirm the exit.

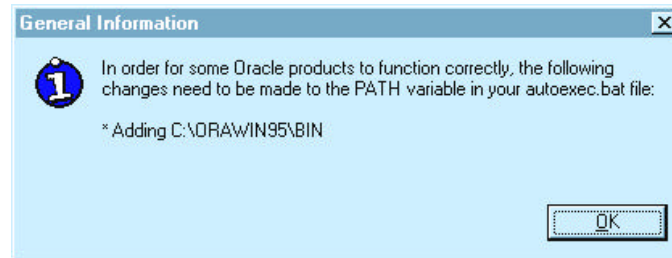Upon exiting the installer, you may see the following dialog box (Figure 3-11):

Figure 20

Click '**OK**'. It will not be necessary to make this change. Close all open windows on your desktop.

3.3 Configuring the Off-line Application: It is necessary to create connections and create the databases that the off-line system will use. These next few sections describe the steps that you will need to take to accomplish these tasks.

3.3.1 Creating a Net8 Connect String: The first step in configuring the off-line application is to create a Net8 connect String. This link must be established in order to connect to the local EMRS database and remote EMRS database for replication of data.

> **Step 1**: Start the Net8 Easy Config by selecting Start —> Programs —> Oracle for Windows 95 —> Oracle Net8 Easy Config.

A dialog box may appear indicating that comment information was detected in the configuration files. Click '**Yes**' to continue.

Step 2: The Service Name Wizard is now displayed in the following dialog box
 (Figure 3-12):
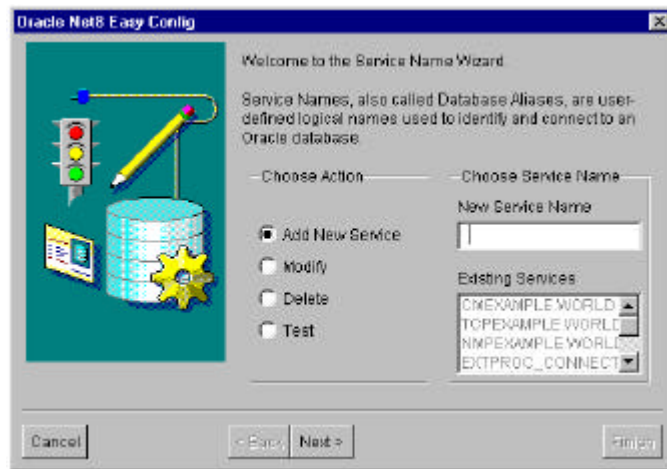
Figure 21

Ensure that the Add New Service radio button is selected and type the name **cmdb** in the
Choose Service Name box. Click '**Next**'.

If a dialog box appears giving a message that the service name already exists, click '**OK**',
and then click '**Cancel**'. Move on to Section 3.3.2 on page 3-12, **Creating EMRS Oracle
Lite Database**.

Step 3: The following dialog box will appear (Figure 3-13)
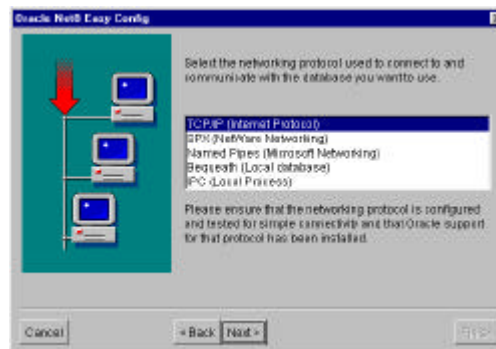
Figure 22

Ensure that '**TCP/IP (Internet Protocol)**' is highlighted and click '**Next**'.

Step 4: The following dialog box will appear (Figure 3-14):

Figure 23

Enter **140.90.28.100** in the Host Name block and leave the Port Number block as the default, 1521. Click '**Next**'.

Step 5: The following dialog box will appear (Figure 3-15):
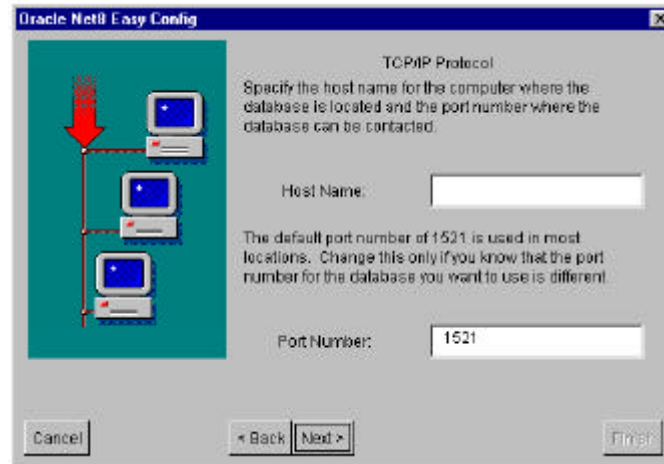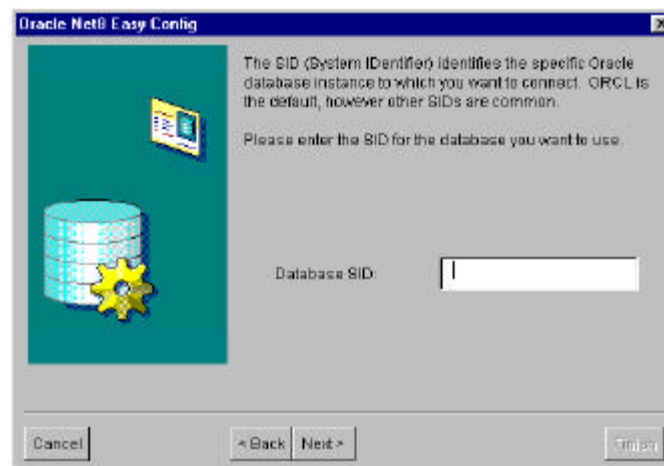

Figure 24

Enter **CMDB** in the Oracle SID block and click '**Next**'.

Step 6: The following dialog box will appear (Figure 3-16):

Figure 25

Click '**Test Service**' to test the service. (Please note that to successfully test the service, an internet connection must be established.) You will be prompted for the EMRS username and password. After entering the username and password, click the 'Test' button. You should see a message that the connection test was successful (Figure 3-17):
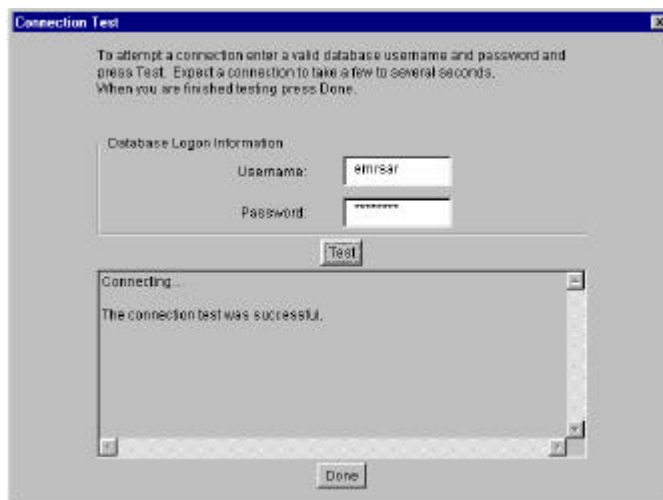
Figure 26

If you receive an error during the Connection test, stop and contact the EMRS group for troubleshooting. If the test was successful, click '**Done**'. The Test Service dialog box will appear (Figure 3-15). Click '**Next**'. You will be at the final screen. Click '**Finish**'. You are now ready to create Oracle Lite database.

3.3.2: Creating EMRS Oracle Lite Database: The next step in configuring the Off-line application is to create a local EMRS database on your PC. This task can be accomplished with the following steps:

Step 1: Start the Oracle8 Navigator by selecting Start —> Programs —> Oracle Lite —> Oracle8 Navigator. The following screen should appear (Figure 3-18):

Figure 27

Step 2: Click the plus sign (+) next to the folder called Oracle Lite Databases to expand this folder. If you see a database called EMRS, skip to step 4.

Step 3: Open the New Oracle Lite Database Properties window by selecting File —> New —> New Oracle Lite Database. The following screen should appear (Figure 3-19):
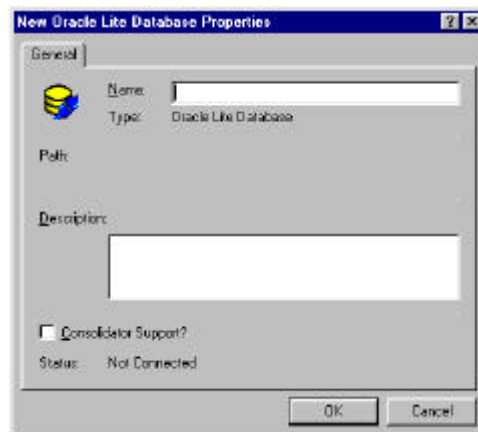
Figure 28

Type '**EMRS**' in the Name field. Leave the description field blank and make sure the 'Consolidator Support?' box DOES NOT have check in it. Click '**OK**'.

Step 4: Close the Oracle8 Navigator.

3.3.3 Setting up an ODBC Data Source: The next step in configuring the Off-line application is to create at ODBC Data Source. This will allow Oracle Lite to connect to the local database on your PC.

Step 1: Open the Oracle ODBC Administrator by selecting Start —> Programs —> Oracle for Windows 95 —> ODBC Administrator.

Step 2: If not already selected, click the '**User DSN**' tab, and click the '**Add...**' button The following screen will appear (Figure 3-20):
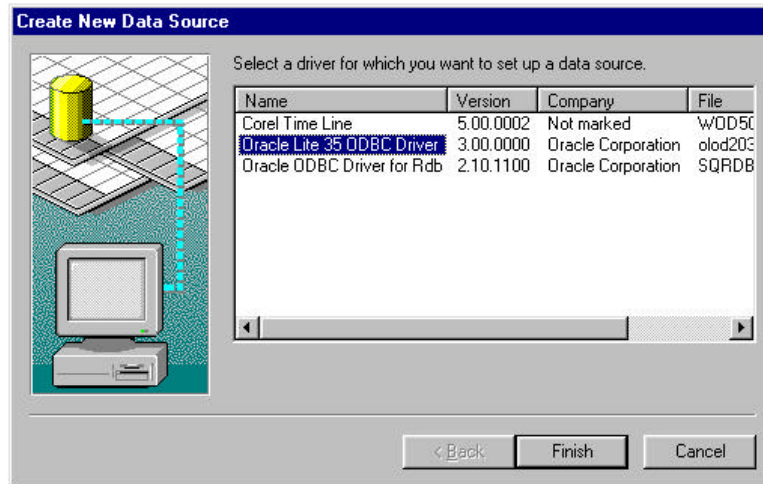
Figure 29

Select the **Oracle Lite 35 ODBC Driver** and click the '**Finish**' button.

Step 3: The Oracle Lite 3.5 ODBC 2.0 Setup window will appear (Figure 3-21):
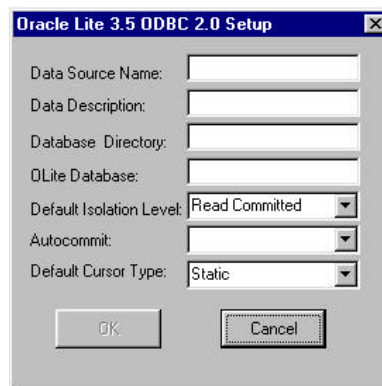
Figure 30

Enter the following information:

Data Source Name   - **emrsdb**
Data Description   - **EMRS OLite Data Base**

Database Directory - **C:\ORAWIN95\OLDB35**
Olite Database - **EMRS**

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NOTE
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If you did not select the default directories during the installation of the off-line application, the information you enter in the Database Directory block will be the location you selected during the installation.

Step 4: Click '**OK**' to accept the new Data Source.

Step 5: Click '**OK**' to close the ODBC Administrator.

3.3.4 Setting up the Remote Data Base Connection: The last step in configuring the off-line application is to set up a connection between the local EMRS databases on your PC and the EMRS databases at headquarters. This will allow the records on your local PC to be transferred to headquarters.

Step 1: Start the Oracle8 Navigator by selecting Start —> Programs —> Oracle Lite —> Oracle8 Navigator.

Step 2: In the Oracle8 Navigator select File —> New —> New Database Connection. The following screen should appear (Figure 3-22):
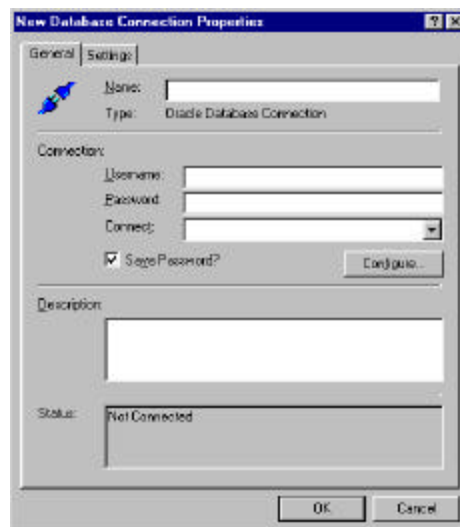
Figure 31

Enter the following information:

Name   — cmdb
        Username   — <remote EMRS password>
        Password   — <remote EMRS password>
        Connect   — cmdb

If the '**Save Password?**' dialog box is not checked, do so now. Click '**OK**' to accept the new database connection. (The remote EMRS username and password for the new system are the regional name and password for the Data Entry System.)

Step 4: Close the Oracle 8 Navigator.

3.4 Replicating EMRS Data to HQ EMRS Data Base

In order to incorporate off-line data into the national EMRS data base, the off-line data base must replicate itself with the national data base. This is accomplished by using the Oracle 8 Navigator.

<div align="center">

NOTE

</div>

Before running the off-line application for the first time, replication with the EMRS databases at headquarters should be accomplished. Replication may take several minutes to several hours.

Step 1: If you are not connected to an Internet Service Provider (ISP) or a LAN with a TCP/IP connection, do so before attempting to replicate EMRS data.

Step 2: Start the Oracle8 Navigator by selecting Start —> Programs —> Oracle Lite —> Oracle8 Navigator. The following screen will appear (Figure 3-23):
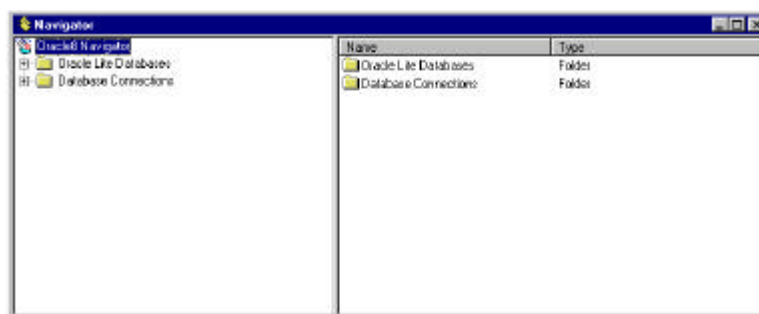
Figure 32

Step 3: Click the plus (+) sign next to Oracle Lite Databases to open this folder. The following screen should appear (Figure 3-24):
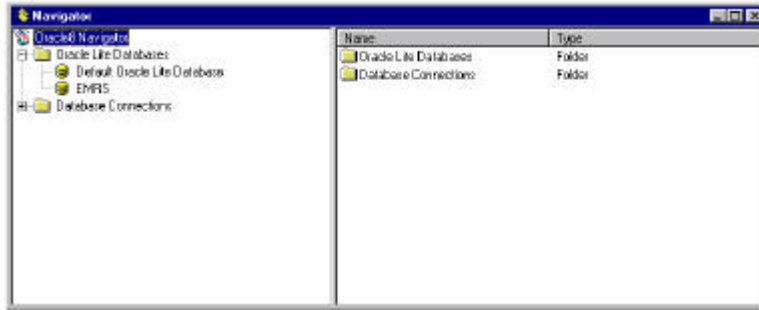
Figure 33

Click the EMRS icon within the Oracle Lite folder to connect to the EMRS database.

Step 4: Click the plus (+) sign next to the EMRS database in the Oracle Lite Database folder to expand this group.

Step 5: Click the Snapshots folder to display the list of Oracle Lite Snapshots available for replication. These should appear in the right pane of the Oracle 8 Navigator window. The screen should appear as follows (Figure 3-25):
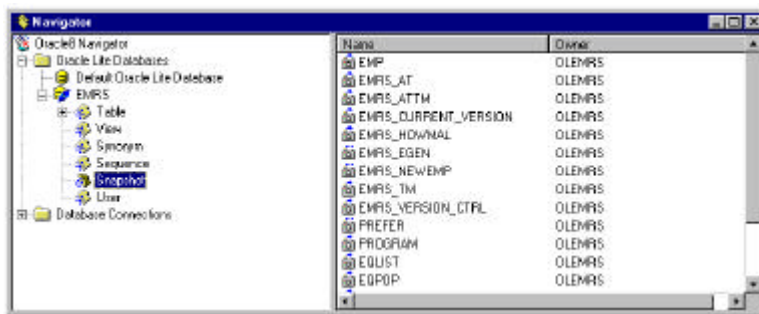
Figure 34

Step 6: To refresh a snapshot, right click on the desired snapshot from the menu on the right and select Refresh from the selection menu. When prompted, enter the following data:

Username - <Enter the EMRS username>
Password - <Enter the EMRS password>
Connect - cmdb

You will be prompted for the username, password, and connect string once per snapshot. The username, password, and connect string are the same for each snapshot. (The EMRS username and password needed for refreshing snapshots are the regional name and password for the Data Entry System.)

```
                                                  NOTE
```

The following table gives the snapshot name, a quick description of the snapshot, and how often replication should be accomplished:

| | | Replication |
Snapshot Name	Description	Frequency
emrs_offline_ids	System id numbers	Once after installation
emrs_egen **	A26 Maintenance Data	Frequent
emrs_pfail	A26 Maintenance Data	Frequent
emrs_version_ctrl	Version Control Data	Frequent
emrs_current_version	Version Control Data	Frequent
eqpop **	Equipment Listing	Frequent
eqlist	Equipment Codes	Frequent
emrs_ehb1 **	EHB1 ASN/NSN Data	Infrequent
program	Program Codes	Infrequent
emrs_at	Action Taken Codes	Infrequent
emrs_tm	Type Maintenance Codes	Infrequent
emrs_howmal	How Malfunction Codes	Infrequent
emrs_attm	TM/AT Validation Table	Infrequent
emp	Employee Data	Infrequent
emrs_newemp	Employee Data	Infrequent
prefer	EMRS System Preferences	Infrequent

Snapshots marked with (**) may take several hours to replicate. A continuous internet connection is necessary in order for replication to be accomplished.

3.5 Running the Off-line Application for the First Time: In order to run the off-line application, a System ID must be obtained. This can be accomplished using the following steps:

Step 1: Select Start —> Programs —> EMRS —> EMRS Off Line. The following login screen should appear (Figure 3-26):

Figure 35

Step 2: Enter the following information in the logon dialog box:

Username - olemrs
Password - *
Connect - odbc:emrsdb

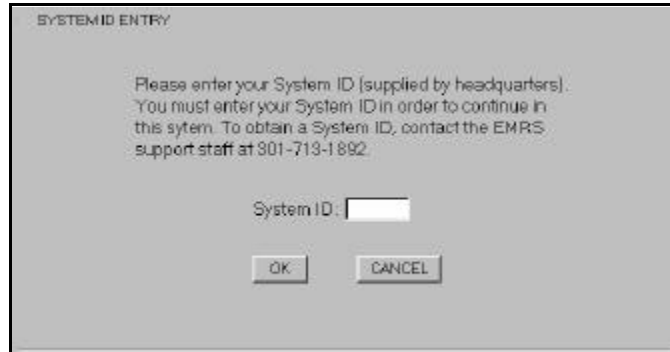Click '**Connect**'. You should see the following screen (Figure 3-27):

Figure 36

You must receive a System ID in order to proceed. Attempting to run the off-line application without a System ID will result in errors. **Use _only one_ System ID per installation of the off-line application**.

Step 3: Call W/OSO113 at (301) 713-1892 and contact a member of the EMRS support group.

Step 4: A member of the EMRS support group will assign you a three character System ID.

Step 5: Replicate the snapshot _emrs_offline_ids_. See section 3.4 for instructions on replication. **You must replicate this table BEFORE you enter the System ID into the block in Figure 3-27**. Failure to do will cause the off-line application to function incorrectly.

Step 6: After you have replicated _emrs_offline_ids_, enter the System ID you received and click '**OK**'.

Step 7: You will appear at the main EMRS menu. Click '**Technician Maintenance Reporting**'. If you proceed to the EMRS Data Entry System Logon Screen, the off-line application has received the correct System ID.

3.6 Running the EMRS Off-Line application: To run the off-line application, select Start —> Programs —> EMRS —> EMRS Off Line. The following login screen should appear (Figure 3-28):
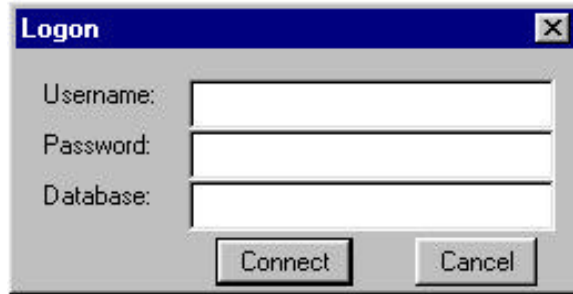
Figure 37

Enter the following information in the logon dialog box:

      Username - olemrs
      Password - *
      Connect - odbc:emrsdb

Click '**Connect**'. You are now ready to use the off-line application.

ATTACHMENT 4

Revised Equipment Code List:

The new version of the data entry system incorporates a revised EMRS equipment code list. The revised list includes new codes and many codes have been eliminated. Some codes have been redefined to incorporate additional equipment. A complete list of EMRS equipment codes is available in Engineering Handbook Number 4, Appendix C.

New Codes

The following equipment codes are new:

Equipment	Program	Description
ADMIN	X	Incidental Admin Work (Used to report time expended on administrative work use only when directed by WSH)
CMISC	T	Miscellaneous communications equipment not assigned a code.
TRAIN	X	Electronic Staff Training (Used to report the time expended on training, use only when directed by WSH)

Each site specific equipment inventory listing must be updated. The EMRS equipment codes **ADMIN** and **TRAIN** will be activated by W/OSO113. Each office must submit an A-26 to activate the EMRS equipment code **CMISC** at the appropriate sites within their maintenance responsibility.

Also, The equip code **HMIS** is being replaced by **HMISC**. W/OSO113 will change the equipment code to **HMISC** for each site where appropriate.

AFOS Equipment Codes

The following AFOS equipment codes have been eliminated.:

Equipment	Program	Description
ABT	A	AFOS Auxiliary/Backup Terminal (Used with AFOS, RTA or RRTA)
ADM	A	Alphanumeric Display Module (Master or Non-master)
APS	A	AFOS Power Stabilization system
CCM	A	Minicomputer and associated disk, floppy, comms, swtiches, test set, etc.
CCMR	A	Replacement for minicomputer and associated disk, floppy, comms, swtiches, test set, etc.
DARE	A	Denver AWIPS Risk Reduction and Requirements Evalution System (System Management Only)

The following AFOS equipment codes have been eliminated (continued):

Equipment	Program	Description
DMARC	A	Demarcation cabinet including Terminations, DAA'S, Current Loop Converter, ETC.
DSKRS	A	Replacement Disk System for Windows
DSKWF	A	160 MB Winchester disk drive
DSKWR	A	160 MB Winchester disk drive for RFCs
DSKWS	A	80 MB Winchester disk drive
GDM	A	Graphics display module and associated control logic
KBP	A	Keyboard/printer
KBPR	A	Replacement keyboard/printer
LPT	A	Line printer, data printer P/N CT-6644 (RFC)
MSWIS	A	Microcomputer Satellite Weather Information System
PPM	A	Printer plotter module (11" or 20")
PPM2	A	Printer plotter module, Versatec Model V-80
RJE	A	Remote Job Entry Equipment
RJES	A	Microcomputer Remote Job Entry System
RRTA	A	Replacement Remote Terminal to AFOS
RTA	A	Remote Terminal to AFOS
SWIS	A	Satellite weather information system
UPS	A	Uninterruptible Power Supply.

All of the codes above will be deactivated as of March 1, 1999. The EMRS equipment code **AFOS** will be activated by W/OSO113. Maintenance accomplished to all AFOS equipment should be reported using the EMRS equipment code **AFOS.**

Miscellaneous Computer Equipment

The following miscellaneous computer equipment codes have been eliminated:

Equipment	Program	Description
MICRO	X	Microcomputer (other than PC) and Associated Equipment
MINI	X	Microcomputer System Not Otherwise Identified and Associated Equipment
PDW	X	Professional Development Workstation
PROSA	X	PC — Remote Observing System Automation (ROSA) W/Linux OS — Limited Implementation

W/OSO113 will change the above equipment to the EMRS equipment code **PC**. Maintenance accomplished to the equipment above should be reported using the EMRS equipment code **PC**.

The following computer equipment codes have been eliminated:

Equipment	Program	Description
GDP	X	Government Development Platform
SAC	X	Science Application Computer (System Administration)

W/OSO113 will change the above equipment to the EMRS equipment code **WKST**. Maintenance accomplished to the equipment above should be reported using the EMRS equipment code **WKST**.

Miscellaneous Computer Equipment Peripherals

The following equipment codes have been eliminated:

Equipment	Program	Description
CRT	X	CRT Type Terminal Not Otherwise Identified
PRNT	X	Printer or Plotter, Not Part of a System

All of the codes above will be deactivated as of March 1, 1999 by W/OSO113. Maintenance accomplished to the CRT or PRNT should be reported using the EMRS equipment code of the equipment that drives/controls the particular peripheral.

Miscellaneous Surface Equipment

The following surface equipment codes have been eliminated:

Equipment	Program	Description
A230	S	Indicator, Sunshine
A231	S	Indicator, Sunshine, Wind, Precip
A232	S	Indicator, Sunshine, Precip

W/OSO113 will change the above equipment to the EMRS equipment code **SR**. Maintenance accomplished to the equipment above should be reported using the EMRS equipment code **SR**.

The following surface equipment codes have been eliminated:

Equipment	Program	Description
F420N	S	Basic Wind System with Readouts, Not Used for Aviation/Synoptic OBS
F420R	S	Wind System (F420) with Retransmitter (F611)

W/OSO113 will change the above equipment to the EMRS equipment code **F420**. Maintenance accomplished to the equipment above should be reported using the EMRS equipment code **F420**.

The following surface equipment codes have been eliminated:

Equipment	Program	Description
H083R	S	H083 Hygrothermometer Receiver
H083T	S	H083 Hygrothermometer Transmitter

W/OSO113 will change the above equipment to the EMRS equipment code **H083**. Maintenance accomplished to the equipment above should be reported using the EMRS equipment code **H083**.

ATTACHMENT 5

Release Notes

The following is documented information about Version 3.00 of the EMRS software:

— The software has been designed to be installed on individual PCs. It is not recommended that you install the software on a network computer and have individual PCs point to the software on the network computer.

— The software is known to conflict with two background Windows programs. If you have the programs *point32.exe* or *rundlg.exe* running in the background, it is recommended that you end these tasks.

— The software will only print information that has been SAVED (placed on hold or committed) in the database. If an on-hold record is selected and new information is entered into A-26 form, the new information will appear on a printed record ONLY after the record has been placed on-hold again or committed.

— On the query summary screen, the message indicating the number of records selected (located at the bottom of the summary screen) may not be indicative of the actual number of records. If the number of records selected is greater than 1000, the number(s) will be incorrect. The true number can be found in the extreme lower left corner of the application.

— The dialog box that contains the choices for saving an A-26 form (i.e., Place On Hold, Commit, Don't Save) DOES NOT have a choice for cancel the operation. You must select one of the three options. If you need to return to the A-26 form, either place the form on hold on don't save the form, execute a query, and retrieve the form.

— A bug occurs when using the TAB or ENTER key to move from block_12 (Equipment operational Status Times) to block_13 (Parts Failure Information). When moving from block_12 to block_13 using the TAB or ENTER key, the software inadvertently adds a record to block_13. When the user tries to commit the A-26, the software will then request that the ASN/NSN be input. This is a problem when no part's information is required for the particular maintenance event being documented. Do not use the TAB or ENTER keys to move from block_12 to other blocks on the A-26. Use the mouse to position your cursor on the field where you wish to enter data. Pressing the TAB or ENTER keys when you are in block_12c will cause the error described above. If this error occurs, place the A-26 on hold and contact the EMRS Group at 301-713-1892.

— In the operator entry screen, there is a bug that produces error messages if the pull down menu for EQUIP is selected after the PROGRAM and SID fields have been entered. After acknowledging the errors, an equipment code list will appear. However, this is a full list of equipment codes and is not linked to the PROGRAM and/or SID field.